(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(54) Title: METHOD AND DEVICE FOR GENERATING SUB-IMAGES
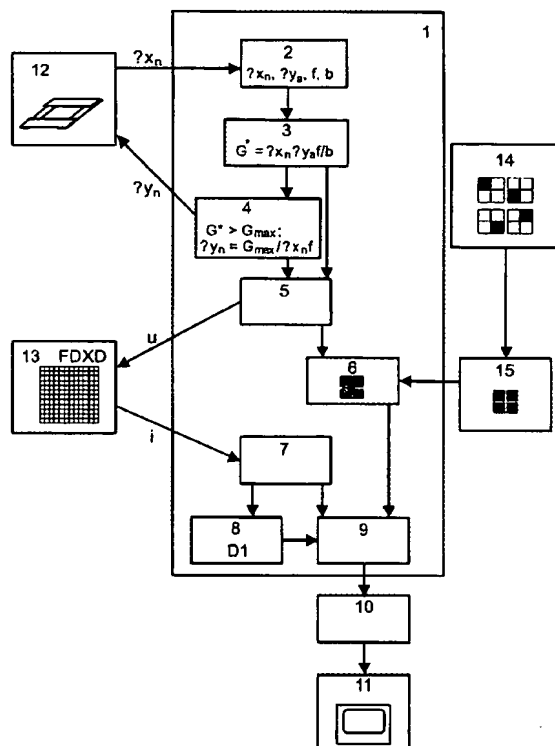
(57) Abstract: The invention relates to the generating of images by means of a two-dimensional field of image sensors, notably by means of a flat dynamic X-ray detector FDXD. In order to adhere to with the maximum data rate G_{max} of an evaluation unit (1) it is necessary to satisfy the relation $x \cdot y.f/b \leq G_{max}$ between the width x and the height y of a sub-region of the image sensor read out, the imaging rate f and the binning factor b. In conformity with the method, parameters defining the size, position and/or shape of the sub-region can be preset at will, the other variables of the inequality being adapted, if necessary, in such a manner that the inequality remains satisfied. In the context of the method there is also performed a mosaic calibration during which calibration images of the complete image sensor are composed from calibration images of sub-regions.

WO 2004/032484 A1

LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) **Designated States** *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,

SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.